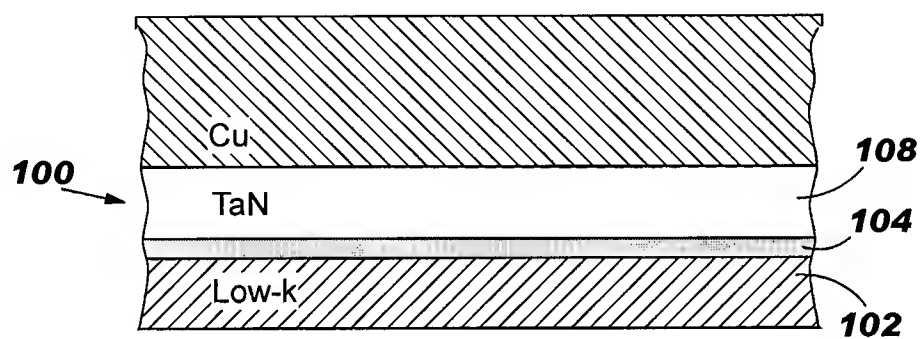
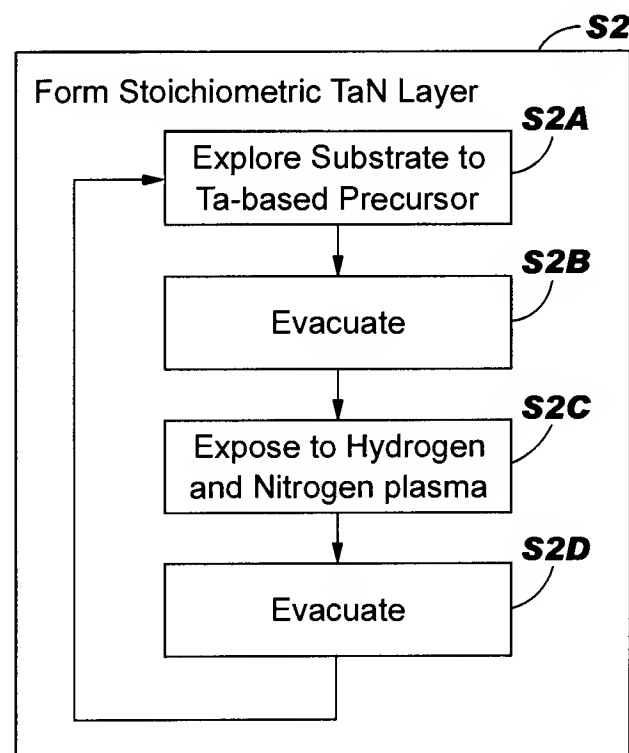
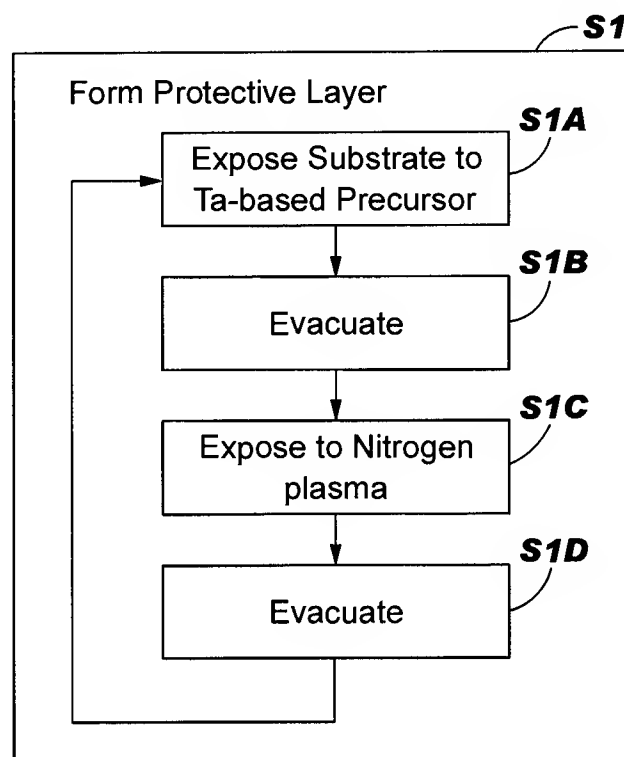


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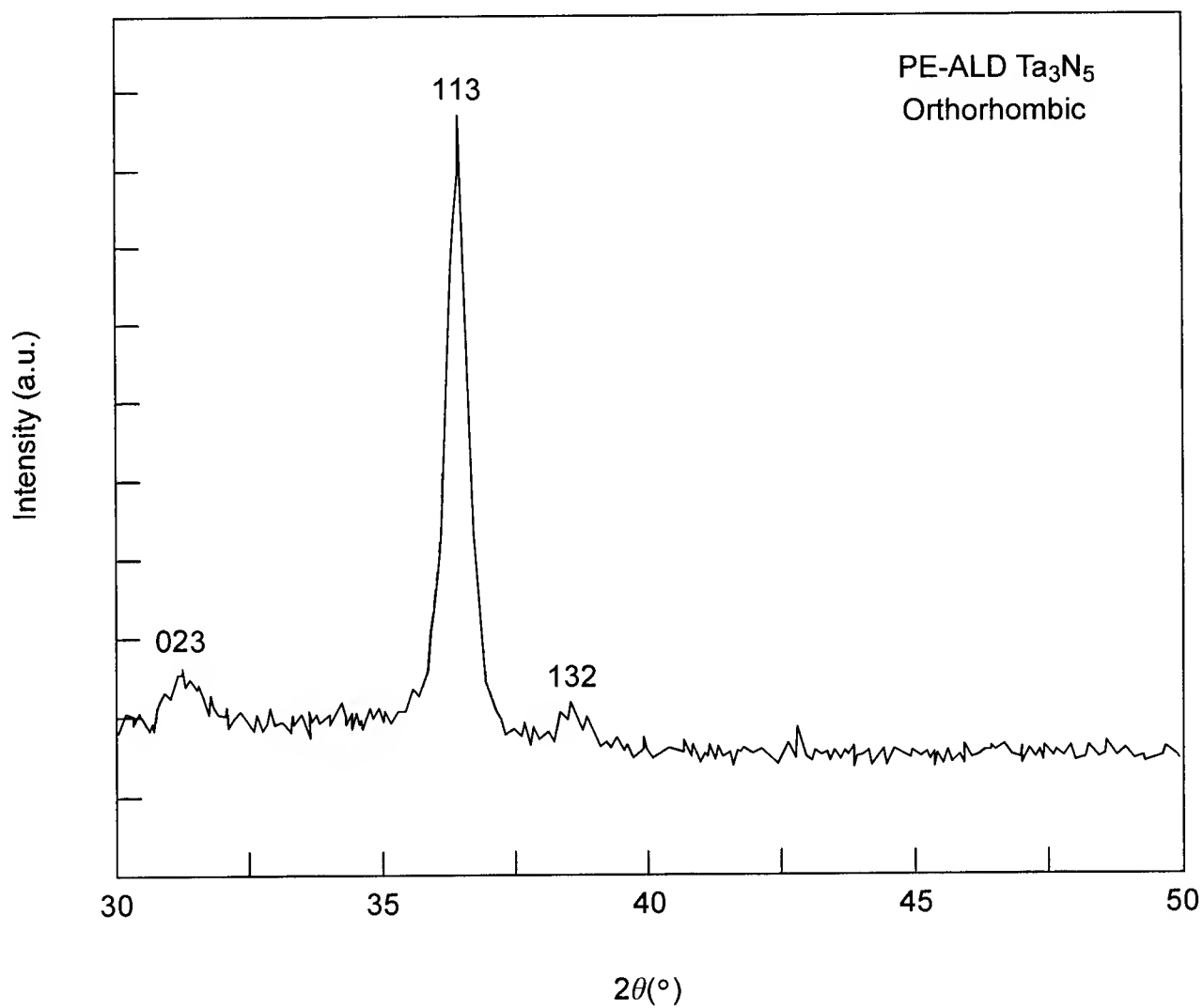
FIG. 1



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FIG. 2

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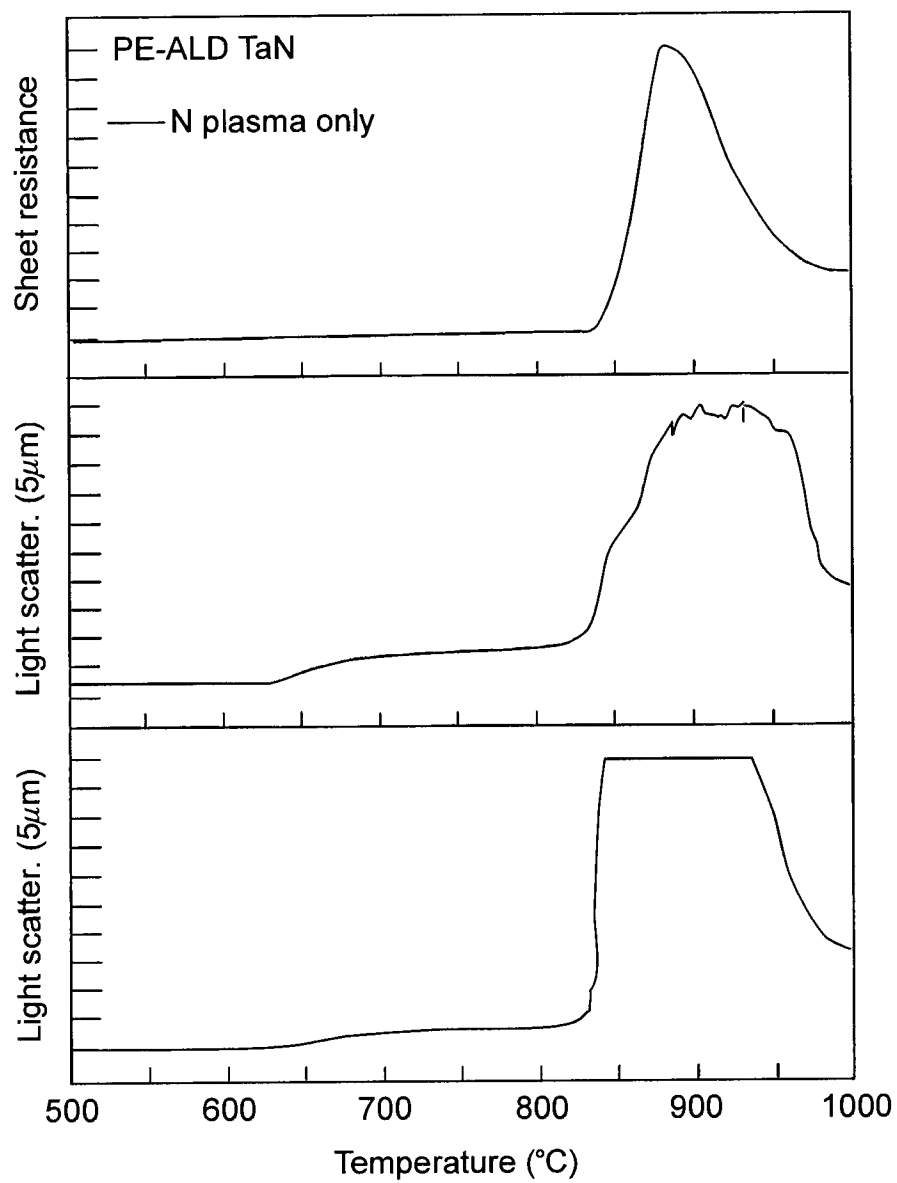
FIG. 3



- ♦ TaNx deposition by N plasma only
- ♦ N/Ta - 1.3, $p = 105 \mu\Omega \text{ cm}$
- ♦ Low C1 (<1%)

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FIG. 4



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FIG. 5A
Prior Art

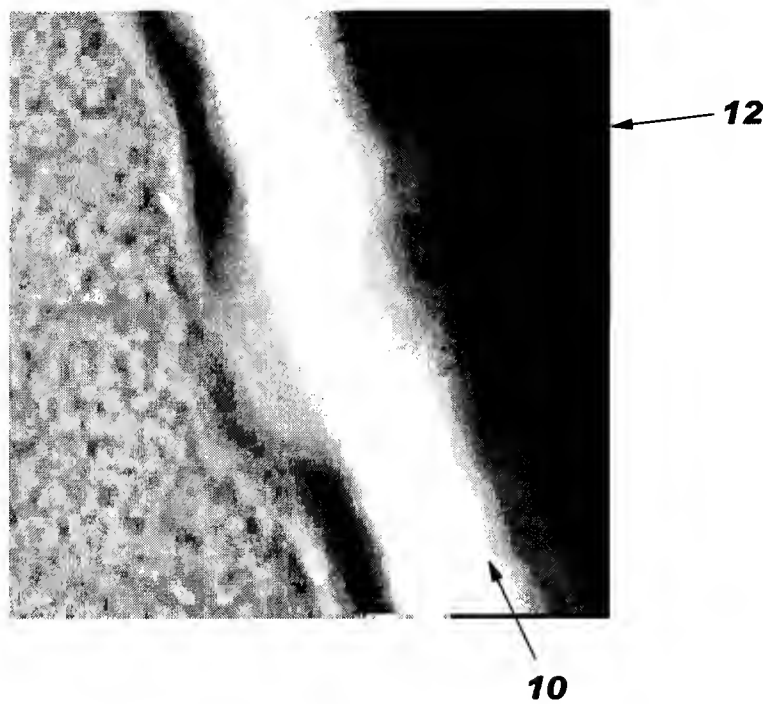
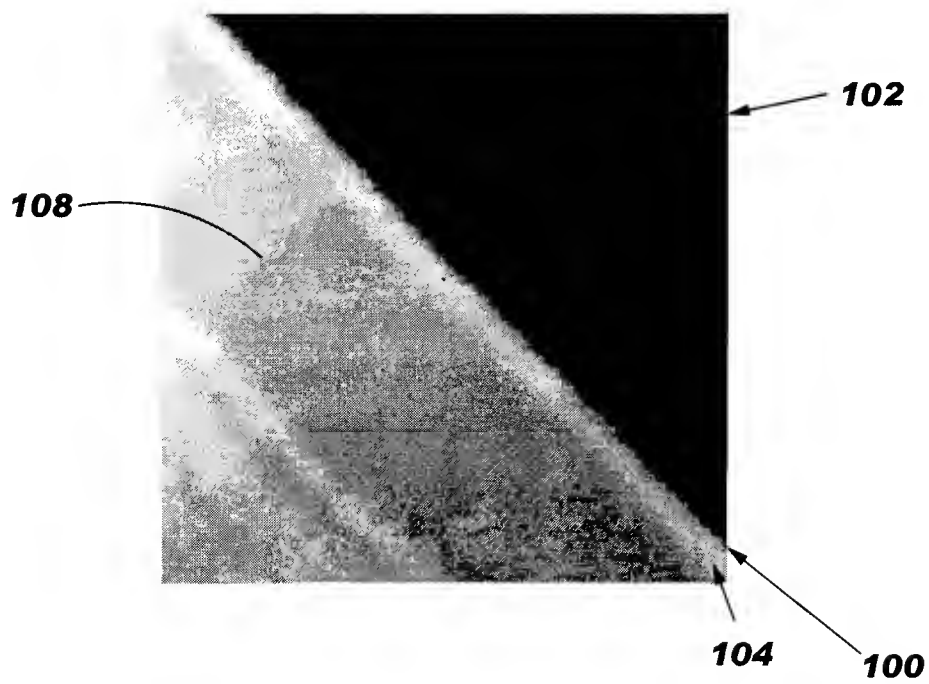


FIG. 5B



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FIG. 6A

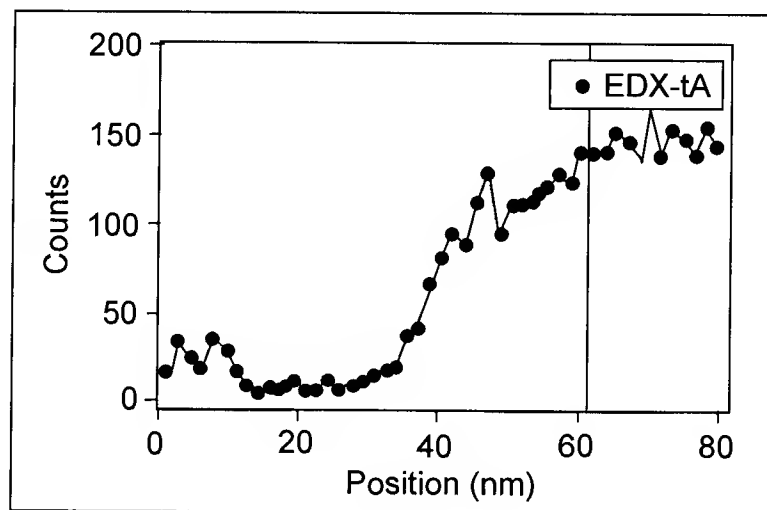


FIG. 6B

